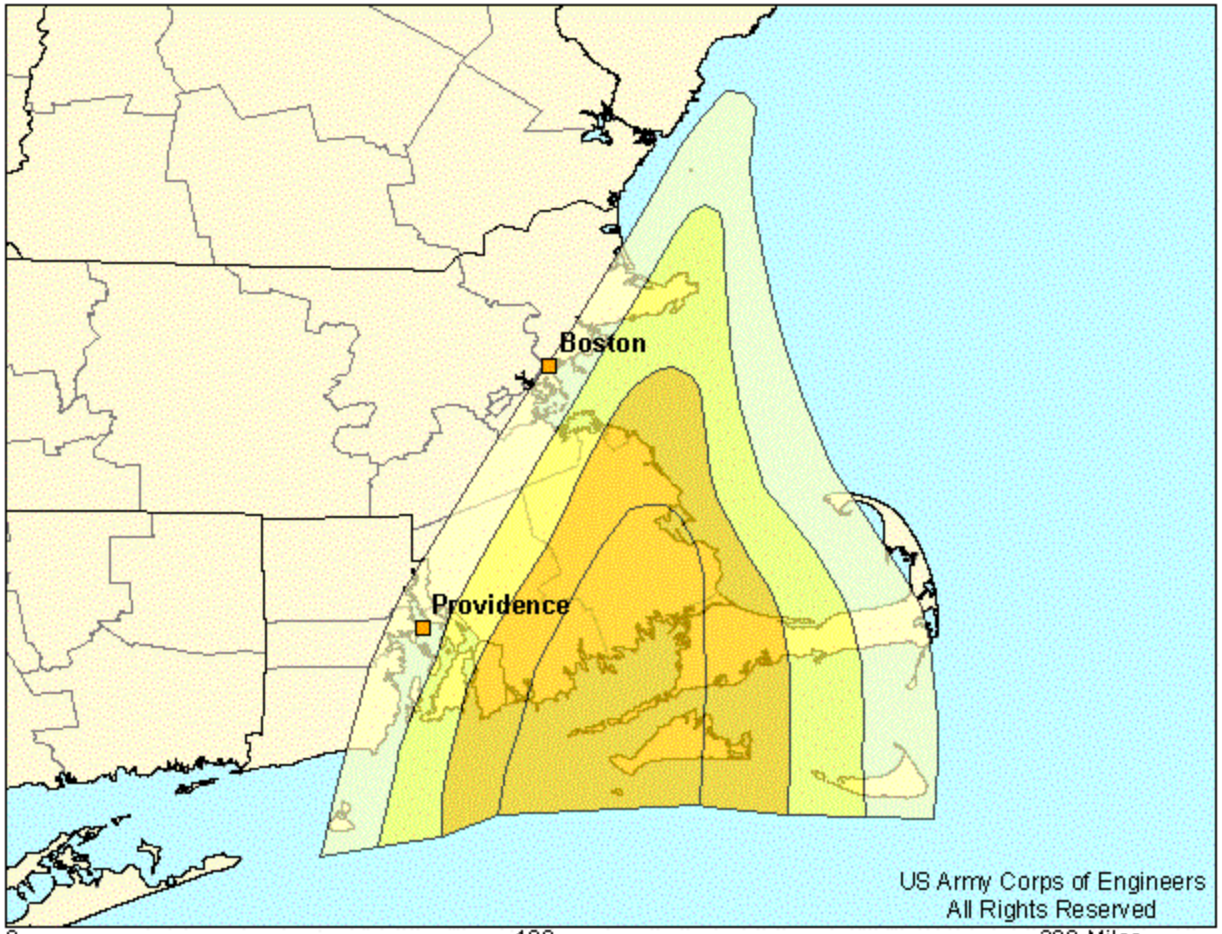
Hurricane NoName Projected Damage Areas

US Army Corps of Engineers

Landfall Expected In About 24 Hours

For Planning Purposes Only!



Post Landfall Projected Damage Areas

This model is based on a Category 2 storm making landfall near New Bedford, MA.

Projected Damage Areas

- CAT 0-type damage
- CAT 1-type damage
- CAT 2-type damage
- CAT 3-type damage
- CAT 4-type damage
- CAT 5-type damage

Information provided on this page displays a Category 2 storm making landfall near New Bedford, MA. These projections are based on information from the NHC (1300 EDT 08/11/2008) forecast.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

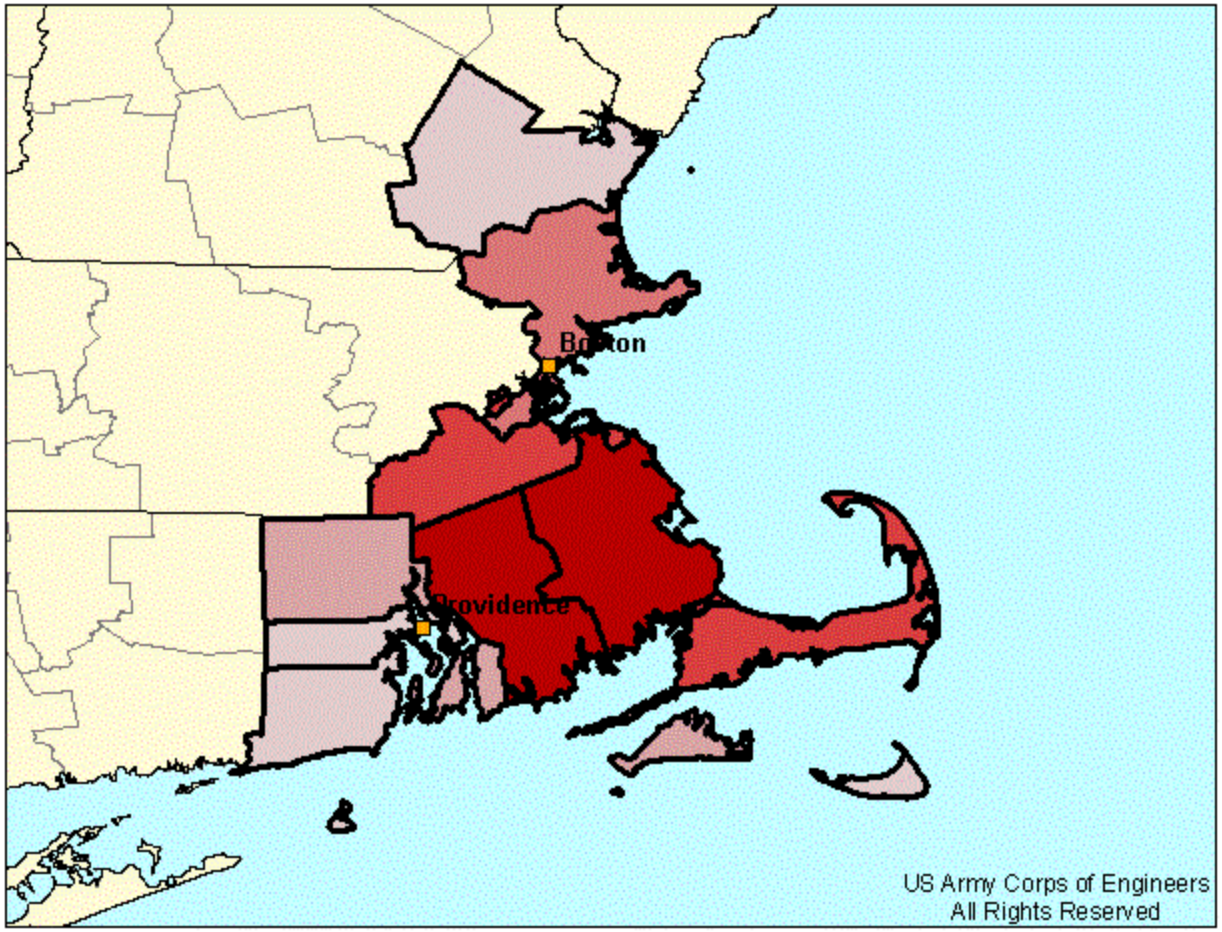
Hurricane NoName Projected Damage Areas	
Generated By: Siemsen, LRL 1330 EDT 08/11/2008	
Sources: HURREVAC LRL-DEBRIS	

US Army Corps of Engineers

Hurricane NoName Debris Model

Landfall Expected In About 24 Hours

For Planning Purposes Only!



Post Landfall Debris Model Results

Massachusetts - 6,927,000 Yards
Rhode Island - 567,000 Yards

Model results per County on following page

This model is based on a Category 2 storm making landfall near New Bedford, MA.

Debris

- < 100,000 cubic yards
- 100,000 - 249,999 cubic yards
- 250,000 - 499,999 cubic yards
- 500,000 - 999,999 cubic yards
- >1,000,000 cubic yards

Information provided on this page displays a Category 2 storm making landfall near New Bedford, MA. These projections are based on information from the NHC (1300 EDT 08/11/2008) forecast. The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds, but does not include volume that may be covered by private insurance. Debris volume may include storm surge generated debris.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane NoName Debris Model

Generated By:
Siemsen, LRL 1330 EDT 08/11/2008

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane NoName Debris Model

Landfall Expected In About 24 Hours

For Planning Purposes Only!

State	Yards per State	County	Yards per County
Massachusetts		Barnstable	924,000
		Bristol	2,264,000
		Dukes	130,000
		Essex	354,000
		Nantucket	13,000
		Norfolk	529,000
		Plymouth	2,320,000
		Suffolk	393,000
Massachusetts	6,927,000		
New Hampshire		Rockingham	< 1,000
New Hampshire			
Rhode Island		Bristol	87,000
		Kent	76,000
		Newport	236,000
		Providence	111,000
		Washington	57,000
Rhode Island	567,000		

The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds, but does not include volume that may be covered by private insurance. Debris volume may include storm surge generated debris.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Source: US Army Corps of Engineers, All Rights Reserved

Hurricane NoName Debris Model

Generated By:
Siemsen, LRL 1330 EDT 08/11/2008

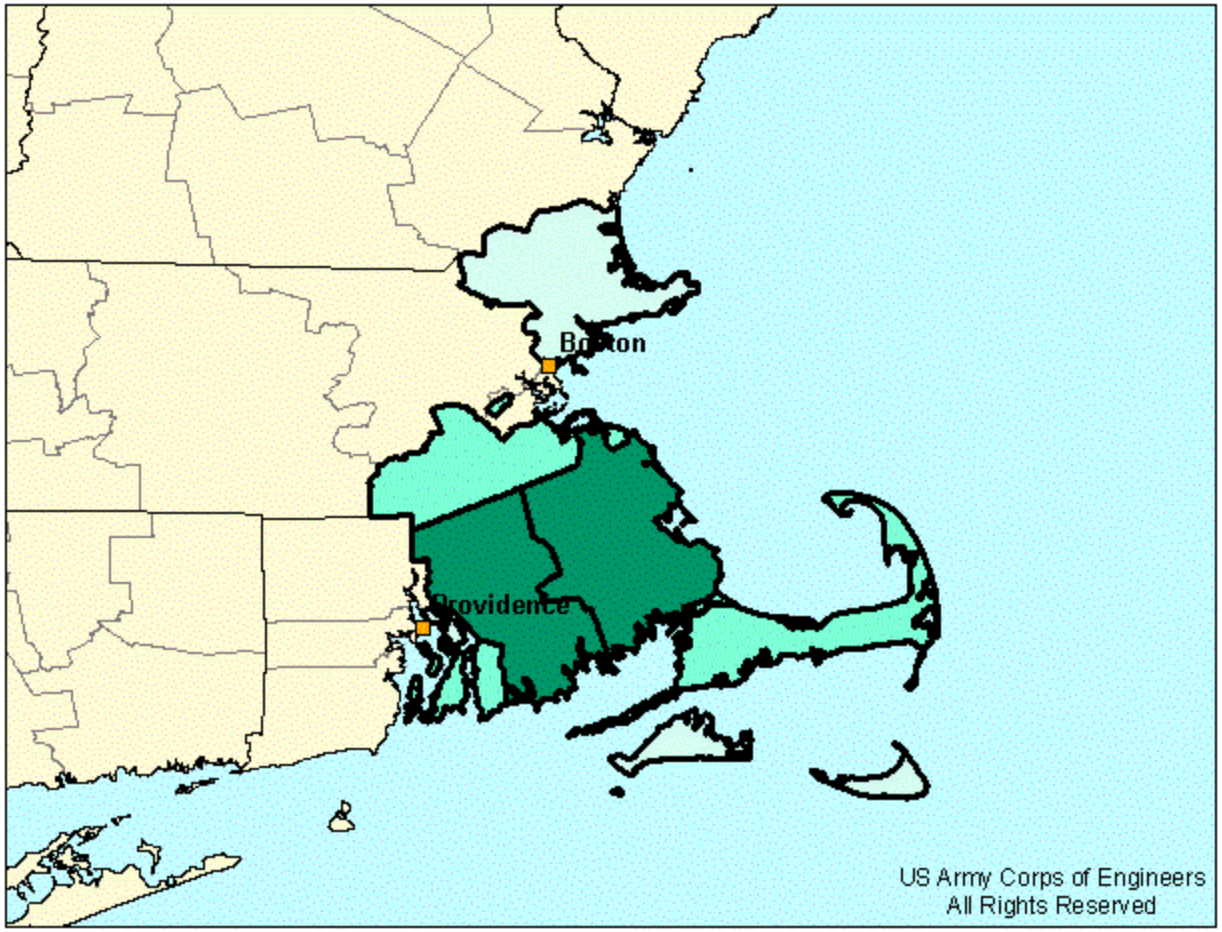
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane NoName Commodities Model

Landfall Expected In About 24 Hours

For Planning Purposes Only!



Post Landfall Water Model Results

Day One / Day Two / Day Three
Massachusetts – 19/38/76 Truckloads
Rhode Island – 2/4/7 Truckloads

Model results per County on following page

This model is based on a Category 2 storm making landfall near New Bedford, MA.

Commodities

- < 5 Trucks Each
- 5 - 10 Trucks Each
- 11 - 20 Trucks Each
- 21 - 40 Trucks Each
- > 40 Trucks Each

Information provided on this page displays a Category 2 storm making landfall near New Bedford, MA. These projections are based on information from the NHC ***(1300 EDT 08/11/2008)*** forecast. The amount of commodities forecasted is based on Mission Guide Book requirements and SME input. The graphic represents single day needs with full distribution system in place and operating.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane NoName Commodities Model	
Generated By: Siemsen, LRL 1330 EDT 08/11/2008	
Sources: HURREVAC LRL-DEBRIS	Page 4 of 13

US Army Corps of Engineers

Hurricane NoName Commodities Model

Landfall Expected In About 24 Hours

For Planning Purposes Only!

State	Truckloads per State	County	Truckloads per County
Massachusetts		Barnstable	10
		Bristol	24
		Dukes	1
		Essex	3
		Nantucket	1
		Norfolk	8
		Plymouth	29
Massachusetts	76		
Rhode Island		Bristol	2
		Newport	5
Rhode Island	7		

The amount of commodities forecasted is based on Mission Guide Book requirements and SME input and the above table indicates suggested needs based on phased deployment of a commodities distribution system.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Source: US Army Corps of Engineers, All Rights Reserved

Hurricane NoName Commodities Model

Generated By:
Siemsen, LRL 1330 EDT 08/11/2008

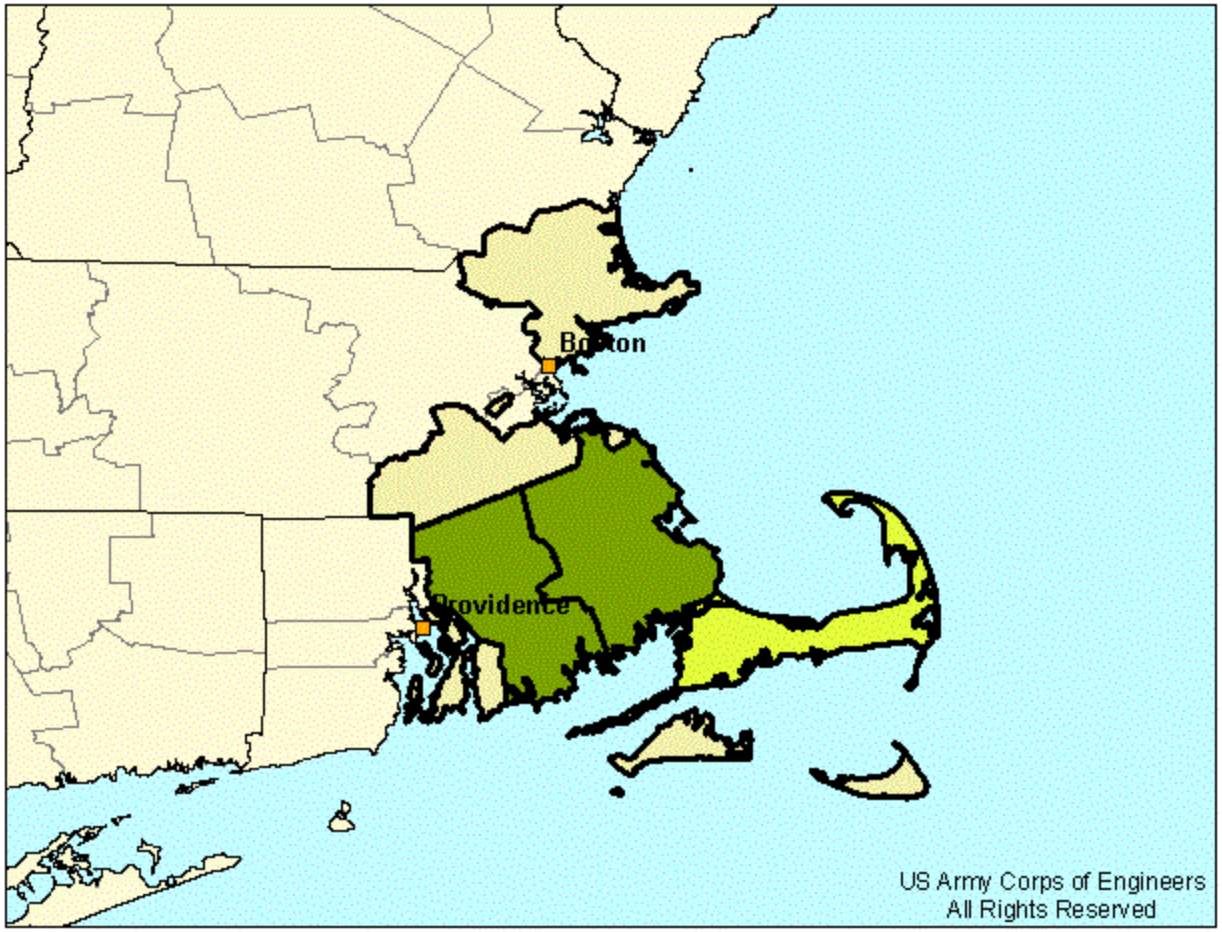
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane NoName Temporary Roofing Model

Landfall Expected In About 24 Hours

For Planning Purposes Only!



Post Landfall Temporary Roofing Model Results

Massachusetts - 22,400
Rhode Island - 1,500

Model results per County on following page

This model is based on a Category 2 storm making landfall near New Bedford, MA.

Temporary Roofing

- < 2,000 units
- 2,000 - 3,999 units
- 4,000 - 5,999 units
- 6,000 - 9,999 units
- > 10,000 units

Information provided on this page displays a Category 2 storm making landfall near New Bedford, MA. These projections are based on information from the NHC (1300 EDT 08/11/2008) forecast. Temporary roofing is based on 3% in CAT 1 and 6% in CAT 2.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane NoName Roofing Model	
Generated By: Siemsen, LRL 1330 EDT 08/11/2008	
Sources: HURREVAC LRL-DEBRIS	Page 6 of 13

US Army Corps of Engineers

Hurricane NoName Temporary Roofing Model

Landfall Expected In About 24 Hours

For Planning Purposes Only!

State	House Units per State	County	House Units per County
Massachusetts		Barnstable	3,400
		Bristol	7,600
		Dukes	400
		Essex	600
		Nantucket	< 100
		Norfolk	1,700
		Plymouth	8,700
Massachusetts	22,400		
Rhode Island		Bristol	400
		Newport	1,100
Rhode Island	1,500		

Temporary roofing is based on 3% in CAT 1 and 6% in CAT 2.

Details about this model may be obtained at http://www.enqlink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Source: US Army Corps of Engineers, All Rights Reserved

Hurricane NoName Roofing Model

Generated By:
Siemsen, LRL 1330 EDT 08/11/2008

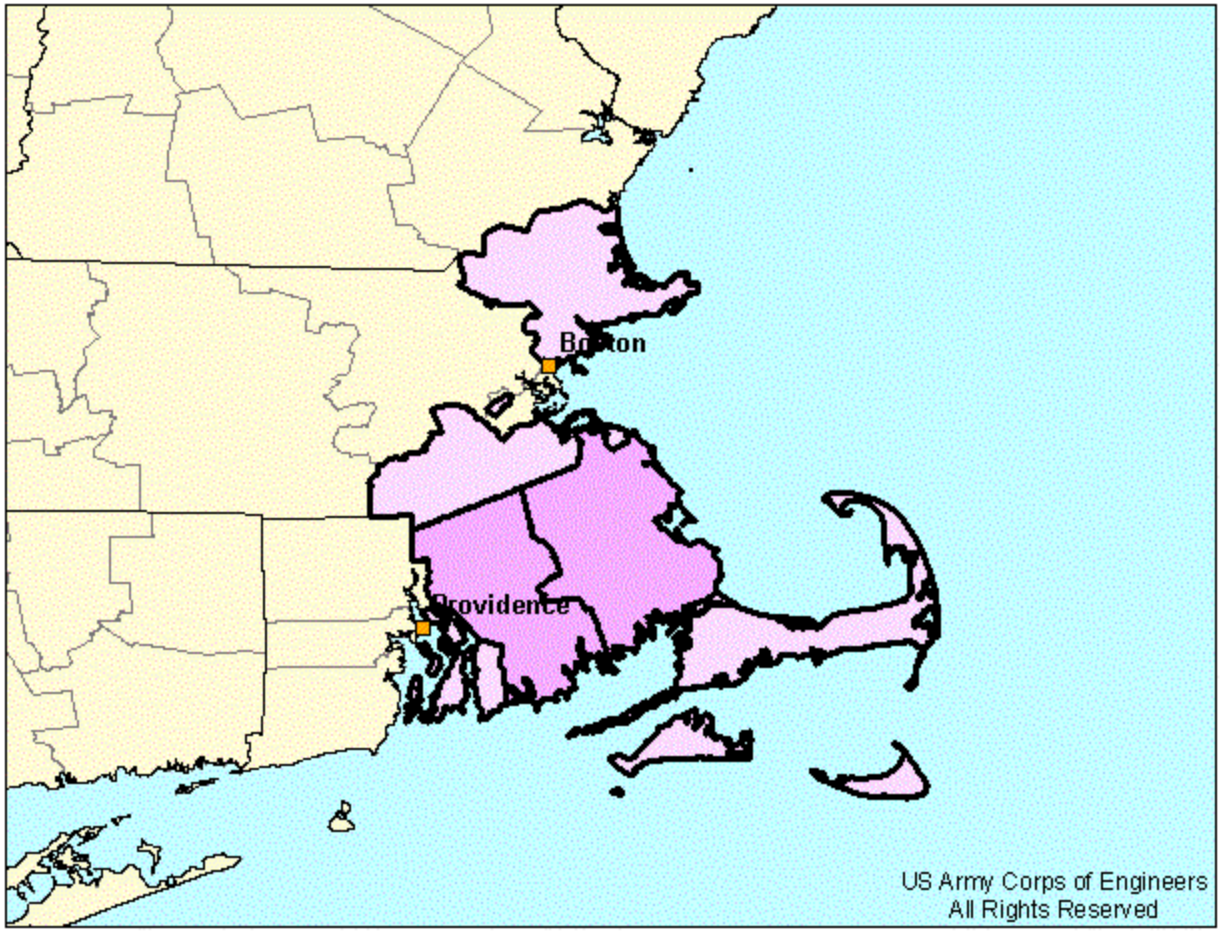
Sources:
HURREVAC
LRL-DEBRIS

Hurricane NoName Temporary Housing Model

US Army Corps of Engineers

Landfall Expected In About 24 Hours

For Planning Purposes Only!



Post Landfall Temporary Housing Model Results

Massachusetts - 7,700
Rhode Island - 600

Model results per County on following page

This model is based on a Category 2 storm making landfall near New Bedford, MA.

Temporary Housing

- < 2,000 units
- 2,000 - 3,999 units
- 4,000 - 5,999 units
- 6,000 - 9,999 units
- > 10,000 units

Information provided on this page displays a Category 2 storm making landfall near New Bedford, MA. These projections are based on information from the NHC (1300 EDT 08/11/2008) forecast. Temporary housing is based on 1% in CAT 1 and 2% in CAT 2.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane NoName Housing Model	
Generated By: Siemsen, LRL 1330 EDT 08/11/2008	
Sources: HURREVAC LRL-DEBRIS	Page 8 of 13

US Army Corps of Engineers

Hurricane NoName Temporary Housing Model

Landfall Expected In About 24 Hours

For Planning Purposes Only!

State	House Units per State	County	House Units per County
Massachusetts		Barnstable	1,200
		Bristol	2,600
		Dukes	200
		Essex	200
		Nantucket	< 100
		Norfolk	600
		Plymouth	2,900
Massachusetts	7,700		
Rhode Island		Bristol	200
		Newport	400
Rhode Island	600		

Temporary housing is based on 1% in CAT 1 and 2% in CAT 2.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Source: US Army Corps of Engineers, All Rights Reserved

Hurricane NoName Housing Model

Generated By:
Siemsen, LRL 1330 EDT 08/11/2008

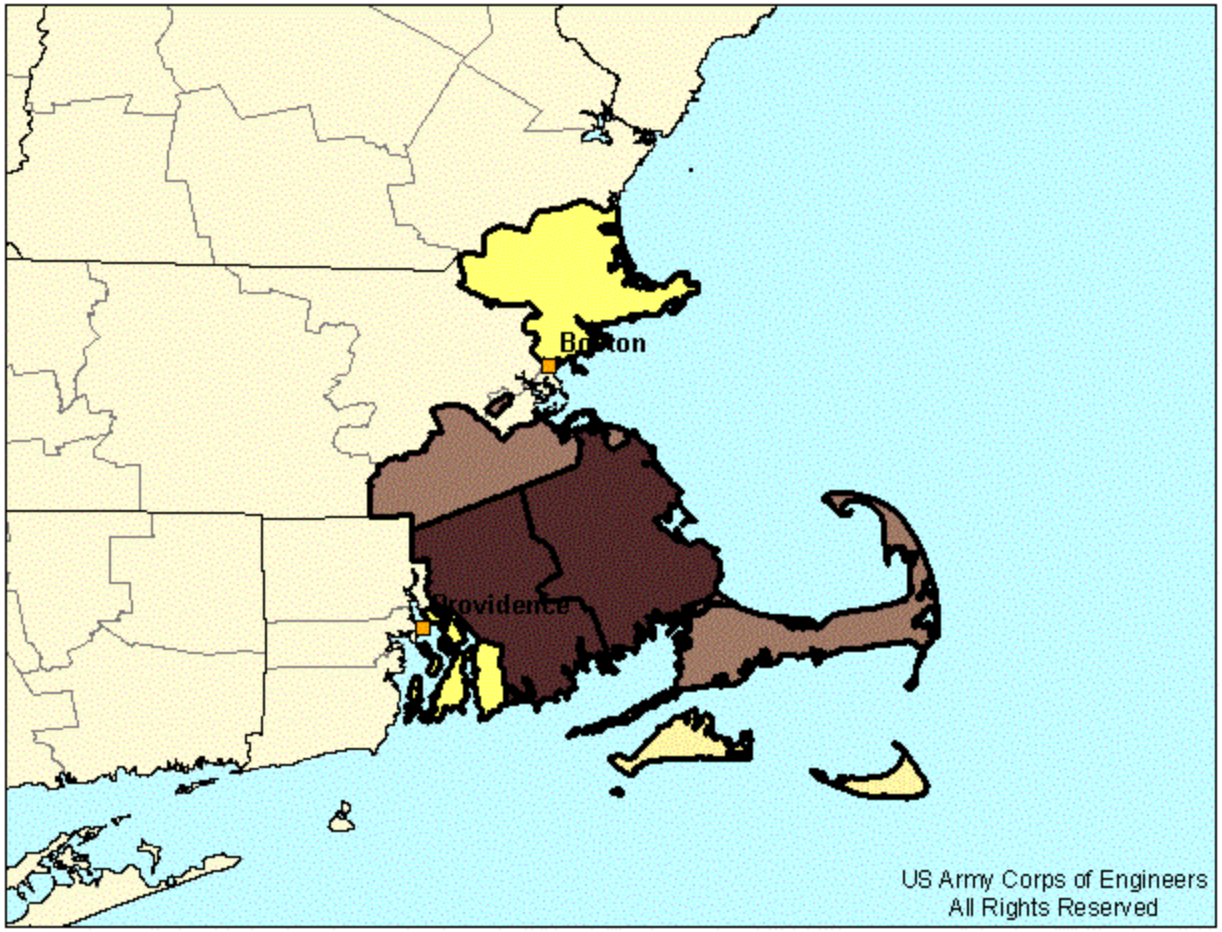
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane NoName Population Model

Landfall Expected In About 24 Hours

For Planning Purposes Only!



Post Landfall Population Model Results

Massachusetts - 1,249,000
Rhode Island - 109,000

Model results per County on following page

This model is based on a Category 2 storm making landfall near New Bedford, MA.

Population

- < 25,000 persons
- 25,000 - 99,999 persons
- 100,000 - 174,999 persons
- 175,000 - 249,999 persons
- > 250,000 persons

Information provided on this page displays a Category 2 storm making landfall near New Bedford, MA. These projections are based on information from the NHC (1300 EDT 08/11/2008) forecast. The numbers of persons included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values adjusted to July 2007 values).

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane NoName Population Model	
Generated By: Siemsen, LRL 1330 EDT 08/11/2008	
Sources: HURREVAC LRL-DEBRIS	Page 10 of 13

US Army Corps of Engineers

Hurricane NoName Population Model

Landfall Expected In About 24 Hours

For Planning Purposes Only!

State	Population per State	County	Population per County
Massachusetts		Barnstable	164,000
		Bristol	401,000
		Dukes	16,000
		Essex	45,000
		Nantucket	2,000
		Norfolk	130,000
		Plymouth	491,000
Massachusetts	1,249,000		
Rhode Island		Bristol	31,000
		Newport	78,000
Rhode Island	109,000		

The number of persons estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2007 values.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Source: US Army Corps of Engineers, All Rights Reserved

Hurricane NoName Population Model

Generated By:
Siemsen, LRL 1330 EDT 08/11/2008

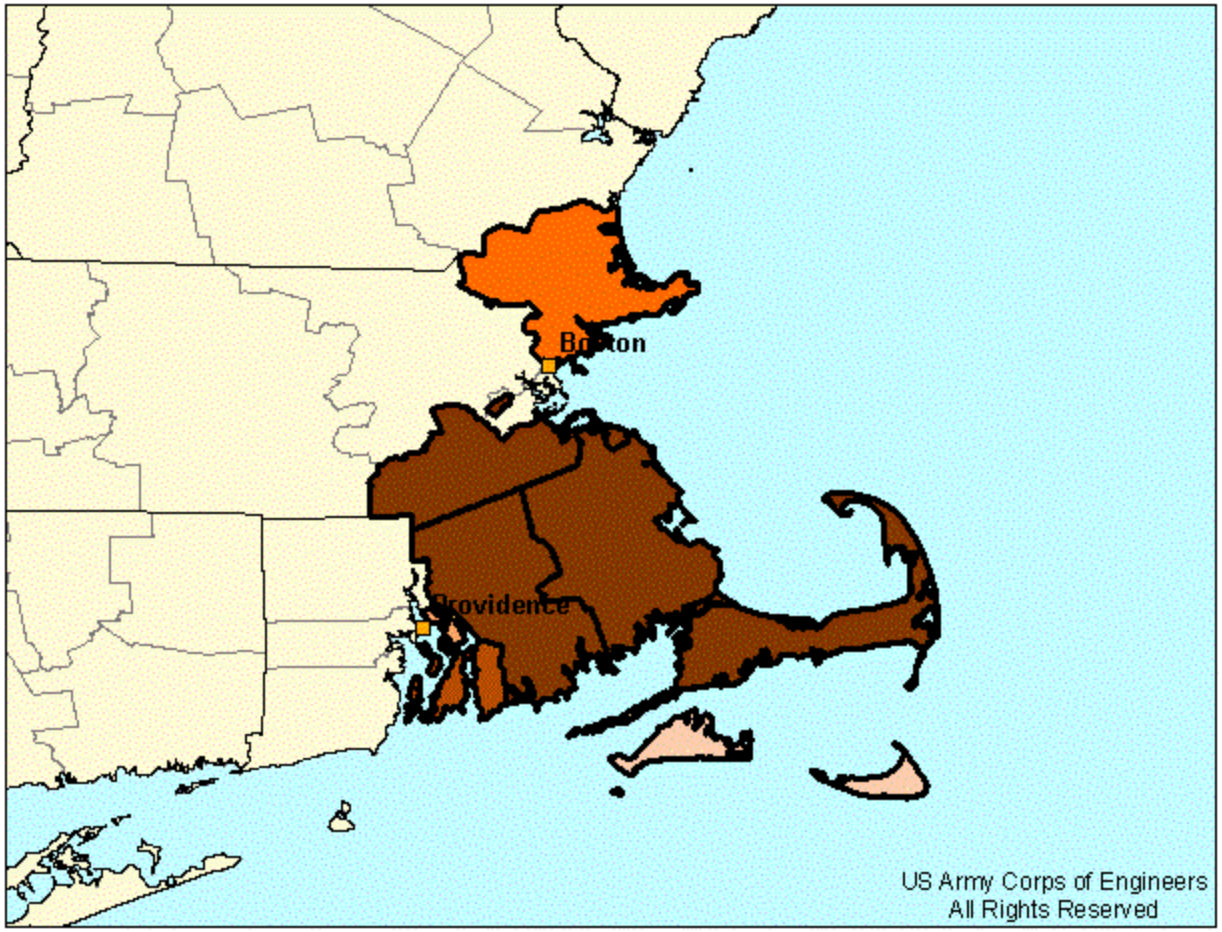
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane NoName Households Model

Landfall Expected In About 24 Hours

For Planning Purposes Only!



Post Landfall Households Model Results

Massachusetts - 479,000
Rhode Island - 44,000

Model results per County on following page

This model is based on a Category 2 storm making landfall near New Bedford, MA.

Households

- < 7,500 households
- 7,500 - 14,999 households
- 15,000 - 24,999 households
- 25,000 - 49,999 households
- > 50000 households

Information provided on this page displays a Category 2 storm making landfall near New Bedford, MA. These projections are based on information from the NHC (1300 EDT 08/11/2008) forecast. The numbers of households included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values adjusted to July 2007 values).

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane NoName Households Model	
Generated By: Siemsen, LRL 1330 EDT 08/11/2008	
Sources: HURREVAC LRL-DEBRIS	

US Army Corps of Engineers

Hurricane NoName Households Model

Landfall Expected In About 24 Hours

For Planning Purposes Only!

State	Households per State	County	Households per County
Massachusetts		Barnstable	69,000
		Bristol	157,000
		Dukes	7,000
		Essex	19,000
		Nantucket	< 1,000
		Norfolk	52,000
		Plymouth	175,000
Massachusetts	479,000		
Rhode Island		Bristol	12,000
		Newport	32,000
Rhode Island	44,000		

The number of households estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2007 values.

Details about this model may be obtained at http://www.enqlink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Source: US Army Corps of Engineers, All Rights Reserved

Hurricane NoName Households Model

Generated By:
Siemsen, LRL 1330 EDT 08/11/2008

Sources:
HURREVAC
LRL-DEBRIS